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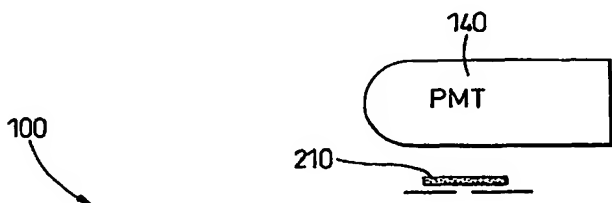
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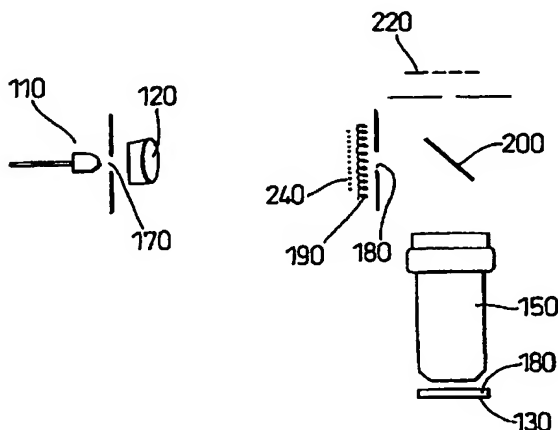
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(54) Title: **DEVICE AND METHOD FOR DETECTING FLUORESCENCE COMPRISING A LIGHT EMITTING DIODE AS EXCITATION SOURCE**



(57) Abstract: A device (100) for reading fluorescent signals comprising: an illuminator (110) for illuminating a material (130) bound with a fluorophore, at an appropriate wavelength to induce fluorescence; a detector (140) for detecting fluorescent signals emitted by the material (130); a signal processor for processing the signals detected; the device defining an optical system (170, 120, 240, 190, 180, 200, 150, 220, 210) having an excitation optical path and a detection optical path; characterised in that the illuminator (110) comprises a light emitting diode (LED), and in that the illumination illuminates all, or a substantial portion of the material (130) simultaneously.



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